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CLAIMS:

1. A method comprising:

providing cardiac resynchronization to a heart during a first time period; and refraining from providing cardiac resynchronization to the heart during a second time period.

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- The method of claim 1, wherein the first time period is a fraction of a day and wherein the day is equal to the first time period plus the second time period.
- 3. The method of claim 1, further comprising providing cardiac resynchronization to the heart during a third time period, wherein the first time period is a first fraction of a day, wherein the third time period is a second fraction of a day, and wherein the day is equal to the first time period plus the second time period plus the third time period.
- 4. The method of claim 1, further comprising:

providing cardiac resynchronization to the heart during the first time period commencing at a first reference time; and

providing cardiac resynchronization to the heart during a third time period commencing at a second reference time.

- The method of claim 4, wherein the first time period precedes the third time period and wherein the first time period is of shorter duration than the third time period.
- 6. The method of claim 4, further comprising:

receiving instructions to provide cardiac resynchronization to the heart during the first time period commencing at the first reference time; and

receiving instructions to provide cardiac resynchronization to the heart during the third time period commencing at the second reference time.

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7. The method of claim 1, wherein providing cardiac resynchronization to the heart comprises:

sensing an atrial event;

delivering a bi-ventricular pace after the atrial event.

- The method of claim 1, further comprising receiving instructions to provide cardiac resynchronization during the first time period.
- The method of claim 1, further comprising delivering a pacing pulse to a single chamber of the heart during the second time period.
- 10. A method comprising:

providing cardiac resynchronization to a heart in response to a first sensed event; and

refraining from providing cardiac resynchronization to the heart in response to a second sensed event.

11. The method of claim 10, further comprising:

receiving a ratio of X:Y; and

performing cardiac resynchronization X times for every Y sensed cardiac events.

12. The method of claim 11, further comprising:

receiving a second ratio of X2:Y2; and

performing cardiac resynchronization X2 times for every Y2 sensed cardiac events.

13. The method of claim 10, wherein providing cardiac resynchronization to the heart comprises:

sensing an atrial event:

delivering a bi-ventricular pace after the atrial event.

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14. The method of claim 10, further comprising delivering a pacing pulse to a single chamber of the heart in response to the second sensed event.

15. A method comprising:

sensing an atrial event:

determining whether a bi-ventricular pace is indicated; and

delivering a bi-ventricular pace after the atrial event when the bi-ventricular pace is indicated.

- 16. The method of claim 15, wherein delivering a bi-ventricular pace after the atrial event comprises delivering a bi-ventricular pace following a delay period that follows the atrial event.
- 17. The method of claim 15, further comprising: incrementing a counter after the atrial event; and determining whether a bi-ventricular pace is indicated based upon the counter.
- 18. The method of claim 15, further comprising delivering pacing pulse to a single ventricle after the atrial event when the bi-ventricular pace is not indicated.
- 19. The method of claim 15, further comprising receiving a ratio of X:Y, wherein the bi-ventricular pace is indicated X times for every Y sensed atrial events.
- 20. The method of claim 15, further comprising receiving a time period, wherein the bi-ventricular pace is indicated for atrial events occurring in the time period.

21. A method comprising:

receiving a ratio of X:Y;

sensing a cardiac event; and

applying a synchronized cardiac pace in response to the cardiac event, wherein X represents a number of synchronized cardiac paces.

wherein Y represents a number of sensed cardiac events, and

wherein X is less than Y.

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22. The method of claim 21, further comprising performing cardiac resynchronization X times for every Y sensed cardiac events, wherein performing cardiac resynchronization comprises:

delivering a first pace to a first chamber of a heart; and delivering a second pace to a second chamber of the heart synchronized with the first pace.

23. The method of claim 21, further comprising

receiving a second ratio of X2:Y2, wherein the second ratio X2:Y2 is different from the ratio X:Y; and

performing cardiac resynchronization X2 times for every Y2 sensed cardiac events, wherein performing cardiac resynchronization comprises:

delivering a first pace to a first chamber of a heart; and

delivering a second pace to a second chamber of the heart synchronized with the first pace.

- The method of claim 21, wherein sensing a cardiac event comprises sensing an atrial event.
- The method of claim 21, wherein synchronized cardiac paces comprises biventricular paces.
- 26. A device comprising:
 - a pacing circuit that applies cardiac resynchronization to a heart; and
 - a processor that controls the pacing circuit to apply the cardiac

resynchronization during a first period and refrain from applying the cardiac resynchronization during a second time period.

27. The device of claim 26, further comprising memory that stores the duration of the first period.

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- 28. The device of claim 26, further comprising:
 - a first pacing electrode disposed proximal to a first chamber of a heart; and a second pacing electrode disposed proximal to a second chamber of the heart:
 - wherein the processor controls the pacing circuit to apply the cardiac
 - material and processor controls the pacing circuit to apply the cardiac

resynchronization to the heart during the first period via the first pacing electrode and the second pacing electrode.

- 29. The device of claim 28, wherein the first chamber is the right ventricle and the second chamber is the left ventricle.
- 30. The device of claim 26, further comprising a sensing electrode disposed proximal to the heart, wherein the processor senses a cardiac event via the sensing electrode and applies cardiac resynchronization in response to the sensed event.
- 31. A device comprising:
 - a pacing circuit that applies a synchronized cardiac pace to a heart;
- a processor that senses a cardiac event and controls the pacing circuit to apply the synchronized cardiac pace in response to the cardiac event; and

memory that stores a ratio X:Y.

- wherein X represents a number of synchronized cardiac paces.
- wherein Y represents a number of sensed cardiac events, and wherein X is less than Y
- 32. The device of claim 31, wherein the processor controls the pacing circuit to apply the synchronized cardiac pace X times for every Y cardiac events.
- 33. The device of claim 31, further comprising:
 - a first pacing electrode disposed proximal to a first chamber of a heart; and a second pacing electrode disposed proximal to a second chamber of the heart;
- wherein the processor controls the pacing circuit to apply the synchronized cardiac pace via the first pacing electrode and the second pacing electrode.

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- 34. The device of claim 31, further comprising a sensing electrode disposed proximal to the heart, wherein the processor senses the cardiac event via the sensing electrode
- A device comprising:
 - a first pacing electrode disposed proximal to a first chamber of a heart;
 - a second pacing electrode disposed proximal to a second chamber of the heart; and

an implanted medical device that determines whether cardiac resynchronization is indicated and delivers pacing pulses to the first and second pacing electrodes when cardiac resynchronization is indicated.

- 36. The device of claim 35, further comprising a sensing electrode disposed proximal to the heart, wherein the implanted medical device senses a cardiac event via the sensing electrode and delivers pacing pulses in response to the sensed event.
- The device of claim 35, the implanted medical device comprising a programmable processor that determines whether cardiac resynchronization is indicated.
- 38. The device of claim 37, further comprising memory that stores parameters for determining whether cardiac resynchronization is indicated.
- A computer-readable medium containing instructions, the instructions causing a programmable processor to:

provide cardiac resynchronization to a heart during a first time period; and refrain from providing cardiac resynchronization to the heart during a second time period.

40. The medium of claim 39, wherein the first time period is a fraction of a day and wherein the day is equal to the first time period plus the second time period.

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41. The medium of claim 39, the instructions further causing a programmable processor to:

provide cardiac resynchronization to the heart during the first time period commencing at a first reference time; and

provide cardiac resynchronization to the heart during a third time period commencing at a second reference time.

- 42. The medium of claim 39, the instructions further causing a programmable processor to deliver a pacing pulse to a single chamber of the heart during the second time period.
- 43. A computer-readable medium containing instructions, the instructions causing a programmable processor to:

provide cardiac resynchronization to a heart in response to a first sensed event; and

refrain from providing cardiac resynchronization to the heart in response to a second sensed event.

44. The medium of claim 43, the instructions further causing a programmable processor to:

receive a ratio of X:Y; and

perform cardiac resynchronization X times for every Y sensed cardiac events.

45. The medium of claim 44, the instructions further causing a programmable processor to:

receive a second ratio of X2:Y2: and

perform cardiac resynchronization X2 times for every Y2 sensed cardiac events.

46. The medium of claim 43, the instructions further causing a programmable processor to deliver a pacing pulse to a single chamber of the heart in response to the second sensed event

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 A computer-readable medium containing instructions, the instructions causing a programmable processor to:

sense an atrial event;

determine whether a bi-ventricular pace is indicated; and

deliver a bi-ventricular pace after the atrial event when the bi-ventricular pace is indicated.

48. The medium of claim 47, the instructions further causing a programmable processor to:

increment a counter after the atrial event; and determine whether a bi-ventricular pace is indicated based upon the counter.

49. The medium of claim 47, the instructions further causing a programmable processor to deliver a pacing pulse to a single ventricle after the atrial event when the bi-ventricular pace is not indicated.